



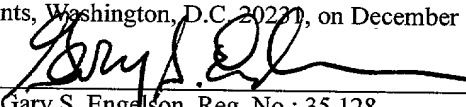
ATTORNEY'S DOCKET NO: A0770/7043
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Domash et al.
Serial No: 10/000,146
Filed: October 19, 2001
For: SEMITRANSSPARENT SENSOR FOR STEERING AN OPTICAL BEAM

Examiner: Not Yet Assigned
Art Unit: Not Yet Assigned

CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)

The undersigned hereby certifies that this document is being placed in the United States mail with first-class postage attached, addressed to Commissioner for Patents, Washington, D.C. 20231, on December 19, 2001.



Gary S. Engelson, Reg. No.: 35,128

Commissioner for Patents
Washington, D.C. 20231

Sir:

PRELIMINARY AMENDMENT

Before the first action in this case, please enter the following preliminary amendment.

In the Specification

Please replace the entire section entitled CROSS-REFERENCE TO RELATED APPLICATIONS on page 1, lines 3-7, with the new section shown below. A separate sheet indicating the amendments with bracketing and underlining is also enclosed.

CROSS-REFERENCE TO RELATED APPLICATIONS

This application claims the benefit of domestic priority to copending U.S. provisional patent applications serial numbers 60/241,805, 60/241,737, 60/246,866 and 60/252,106, filed October 19, 2000, October 19, 2000, November 8, 2000, and November 20, 2000, respectively.

REMARKS

This is a preliminary amendment correcting a typographical error in the section entitled CROSS-REFERENCE TO RELATED APPLICATIONS. Entry hereof is respectfully requested.

If there is a fee occasioned by this amendment, including an extension of time fee, that is not covered by an enclosed check, please charge any deficiency to deposit account No. 23/2825.

Respectfully submitted,
Lawrence H. Domash et al., Applicants



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Docket No. A0770/7043
Dated: December 19, 2001
xndd

MARKED-UP SPECIFICATION**CROSS-REFERENCE TO RELATED APPLICATIONS**

This application claims the benefit of domestic priority to copending U.S. provisional patent applications serial numbers 60/241,805, [60/241,237] 60/241,737, 60/246,866 and 60/252,106, filed October 19, 2000, October 19, 2000, November 8, 2000, and November 20, 2000, respectively.

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Attorney's Docket No: A00770/70043 GSE

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Lawrence H. Domash, Eugene Y. Ma, Adam M. Payne and
Matthias Wagner
Serial No: 10/000,146
Filed: October 19, 2001
For: SEMITRANSSPARENT SENSOR FOR STEERING AN OPTICAL BEAM
Examiner: Not Yet Assigned
Art Unit: 2877

CERTIFICATE OF MAILING UNDER 37 C.F.R. §1.8(a)

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Gary S. Engelson, Reg. No. 35,128

Box Missing Parts
Commissioner for Patents
Washington, D.C. 20231

SECOND PRELIMINARY AMENDMENT

Sir:

Before the first action in this application, please enter the following preliminary amendment.

In the Specification

Please replace the entire paragraph beginning on page 11, lines 29-32 through page 12, lines 1-7, with the new paragraph shown below. A separate sheet indicating the amendments with bracketing and underlining is also enclosed.

In some optical systems, it may be desired to measure the angle or direction of an optical beam, as well as its position and intensity, as it crosses a measurement plane. Such systems can use the structure of Fig. 9, in which two of the single segment sensors of Figs. 7 and 8 are disposed on parallel planar supports 901, 902. Peripheral electrodes 801a, 802a and common

REMARKS

If there is a fee occasioned by this amendment, including an extension of time fee, that is not covered by an enclosed check, please charge any deficiency to deposit account No. 23/2825.

Lawrence H. Domash et al., Applicants

By:

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Attorney for Applicant

Docket No. A00770/70043
Date: March 18, 2002

MARKED-UP SPECIFICATION

In some optical systems, it may be desired to measure the angle or direction of an optical beam, as well as its position and intensity, as it crosses a measurement plane. Such systems can use the structure of Fig. 9, in which two of the single segment sensors of Figs. 7 and 8 are disposed on parallel planar supports 901, 902. Peripheral electrodes 801a, 802a and common electrode [701a] 702a cooperate with support 901 to form one sensor, while peripheral electrodes 801b and 802b, and common electrode [701b] 702b cooperate with support 902 to form a second sensor. As the beam 903 passes through this composite structure, the intensity, position and direction of the beam can be measured. Intensity and position at each of the measurement planes can be determined as discussed above. The direction of the beam is determined using simple linear algebra, given position measurements on the two measurement planes spaced a known distance 904 apart.